

Memillarine sucoso l'appile.

orte Jerone pl. nov.


III. p. all M. Stelle ausate mant file poor M. procera H. goebne M. Thordanthe Lx O mick Love of the June 1863)
M. chrysonathe LXO 11 M. Micrian Mainki. Milledan Mr. furate Luco Me depresson M. enacutte Le 0 Me Jan Dan He 1. vetale mus Mr. Syrkiana June M. arauth. plegma Lokee & 8.4. gorbe Mi. milita jueco in Typestexte must. M. omrigen Mart 4 1156 M. Spharelets Mark. M. Contata mak M: glochidsats mont M. pyraccanthe Mans, M. ecleenformes for M. Congiuama DC: M colemnan; Mark M. quedrispire Mac! M. marrothele Mart, M. Lekmann: L&O ; Me cx sudaces face & M. Grevimanne June? Host Odnesman M. pusilla Be Lagarantles Me. Dirolon Higories M. vulpin = gændrippin, Me Soliche centr Mante M. Wildian

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Mamillaria

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| I dongimammae | 1-2-6 |
|---|------------------------|
| II. Crinitae | 3-13. Th. |
| III. Polyacanthe globose or oglishir- spines numerous so | Tires |
| III. Polyacanthe globose or orfindir- spines numerous so rard petales values values rated creeto-petalous v central handly stronger, very | savely hooked 14-21 sp |
| IV. Setosae (heteracanthee) | 22-61 |
| 1. Leura conthai | 22_33. |
| 2 Heterochlone (divolores) | 34_53 |
| 3 ChrysaranThee | \$4-61 |
| V. Stelligerae | 62-69 |
| VI. Centrispinae | 70-91 |
| VII Conothelae (Subsetosae) | 72-96 |
| VIII Angulosae | 97-125 |
| 1. Tetragonie | 97110 |
| 2 Polyedne | 111-118 |
| 3. Macrothelae | 119-125 |
| IX Phymatothelae | 126-133 |
| X. Glanduliferae | 134.2144 |
| XI Aularothelae | 145-15-6 |
| | |



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Mammillaria nigricans.

(Taf. XXIII.)

Mammillaria nigricans Fennel catal.

M. subglobosa, saturate viridis; axillis lanatis; mammillis conicis, obsolete angulatis; areolis parvulis, fulvidotomentosis; aculeis exterioribus sub 16radiantibus, setaceis, albis, internis 4 nigricantibus, strictis, infimo longiore.

Habitat in republica mexicana.

while the sound of the second of the second

Diese schöne aus Mexiko eingeführte, von dem verstorbenen Besitzer für neu gehaltene und benannte Art, in welcher auch ich keine der bekannten und beschriebenen Formen wiederzuerkennen vermag, erreicht eine ziemlich beträchtliche Grösse bei etwas niedergedrückter Kugelform. Sie ist schön dunkelgrün und dicht mit langen, kegelförmigen, undeutlich-kantigen Höckern besetzt. Die Axillen sind weiss-wollig, die kleinen Areolen mit bräunlich-gelbem Filze bekleidet. Die Stacheln sind 2fach, die äusseren ungefähr 16, weiss, dünn, borstenförmig, strahlig ausgebreitet. Die 4 Zentralstacheln sind viel dicker und länger, ziemlich gerade, steif, schwärzlich.

Die Blumen sind sehr ähnlich denen der meisten Mammillarien aus der Gruppe der M. rhodantha, doch grösser, schön-purpurroth mit kurzem, grünem Fruchtknoten. Die Blumenblätter sind ungefähr 2reihig, lanzettlich, zugespitzt, der purpurrothe Griffel viel länger als die mit gelben Antheren versehenen weisslichen Staubfäden, in 5 lange, fast aufgerichtete Narben getheilt.



Mammillaria migricans Femel.

(Pl. 23.)

Cette belle Mammillaire a été introduite du Méxique, il y a quelques années. Mr. Fennel, qui paraît l'avoir possédé le premier, la croyant nouvelle et indécrite, lui imposait le nom, sous lequel je viens de la décrire, puisque je ne peux trouver aucune autre espèce, dont les caractères ou la description conviennent à celle-ci.

Elle atteint une taille assez considérable, et sa forme est encore subglobuleuse, un peu déprimée. Il paraît, qu'elle ne parvient jamais à cette forme allongée, que beaucoup d'autres espèces de forme au commencement globuleuse, comme par exemple la M. rhodantha, ont dans un âge avancé. — Sa couleur est d'un vert foncé, et elle est couverte de mamelons serrés, coniques, imparfaitement anguleux. Les aisselles sont munies de laine blanche, les aréoles d'un petit duvet fauve. Les aiguillons sont disposés en 2 séries, ceux de l'extérieur sont rayonnans, blancs, minces, ceux du centre, au nombre de 4, sont beaucoup plus forts, roides, presque droits, de couleur noirâtre.

Les fleurs sont fort semblables à celle de la plupart des Mammillaires appartenant au groupe de la M. rhodantha. Seulement elles sont un peu plus grandes, d'un belle couleur de pourpre. L'ovaire est petit, vert, les sépales d'un rouge sâle, les pétales placés en 2 rangs, lancéolés, pointus. Le style de couleur pourpre dépasse beaucoup les filamens blanchâtres à anthères jaunes; il se termine en 5 stigmates linéaires, érigés, de couleur rouge.

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9. Millimost; Men. 10 Manh 1875 Madamillania lætifler globern man compet, miensbur augulatis, breviter (hlindyin) axille, setoris villosis aredis immens orneres villosis, mor auditis, acciles thyales Coursetis aviettelis 2-3 Ci Conges subaequettes 21 spraliter ampionis 34 and - spani- 2/4, ich d'am lijht glamos greeq 1159. 9. Millianst Musico Manh 1875 Mamillania alvorritis
ag-iflea globosa souple, man confectis tereti-conicis parvis (3 Cintonja) graviliben. axilli mudi æredis proguadatis aculeis 4 nigniculités moistei, référère longue pobustione, leviter anvate sen æteres ægnættteber. 2-4 li bon Men 2/4, hah dia Spir C 21 × 34 compro - 35 onto 9. Mallarost Mexico Manh 1875 Manvillavia agniflua globone man. onfortis oveto comis parvis (3½ (- longis) axillis villes is arcolis ovalibus brevission villosis

arcolis ovalibus brevission villosis

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
arcolis modialitas (8-22 teaminis) albis minifordo, stellatas patratissiais paulo revers, centralitos 2 superiore preto longere, informere daflexa aprèce sufin


oppose grapish shift from the numerous subularno spile,


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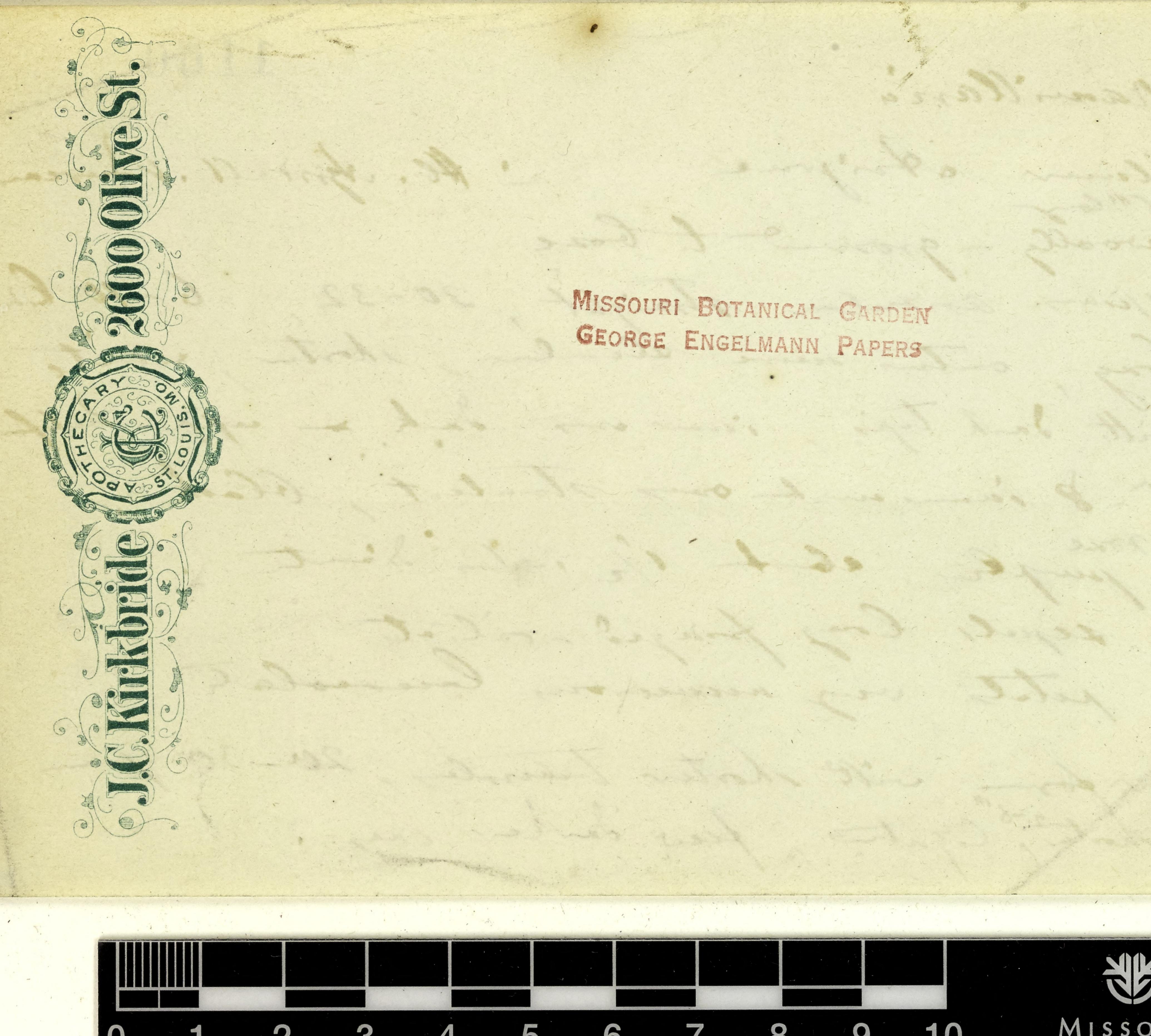
1160 Mannillana A Telemen Anigone - He. Agrical. Duren,
falende, woolly - growed to bose
your spins arrulan straight, 30-32, 6-10 lins long, outer men sline, storte, white with Jack typis, imm own dark - upper helf ,5 pinne auch over stoutest, black. flower puple abt 1/2 into Sinte. sepels long foraged-villate petets veg numerous lacercolate a smiller form with shorter trainer, 20-30 spin, much shorter, Coghter, few ducker one,

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Dr. GEORGE ENGELMANN,

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Notes under i Coll Dyck Dan ext Man. heteromorpha Skeer 1850 - Lolm is according to the dead specimen My M. marro men,





Inne 14/1882

Memillani (Conghather) have Mayor G. A Valy, Callivation and in the Muchan; Desmission gently him Lheads, the tagen 3 jackers high 2 in . Went, oval.

glaurous, Inbudy 6-7 l. las, grown, Tomustul apprend, in To order in this spirit before in /11 spirits most conspicuons) Spring of the writing arrangement of a mountain of courted status spring lage number of setaces, muller, but very stiff I brittle aute spires, all the lower and sleader and short, support ones several times longer.) Cutt spen 6-10, 5-9 lolog upp on longest, grag or Attish, barry druken at tip, mail spin 30-35 lowert only 3 ling, very this, upperons 1-5 lely all of the Init red clavate, sæds pitted.



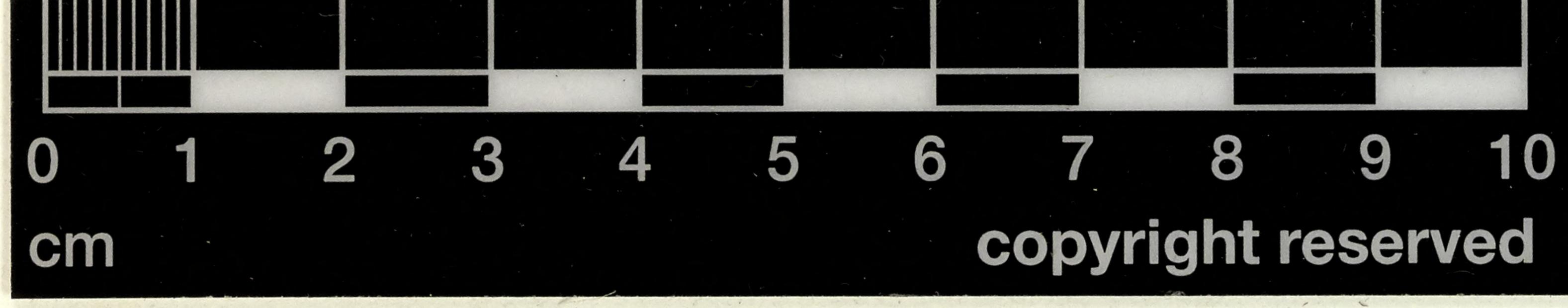
In sending specimens of plants for investigation it is desirable to have the leaves, flowers, and fruit; and, in the case of bulbous plants, the bulbs also. When they are sent. from a distance it is best to prepare the specimens by drying them under pressure between folds of absorbent paper, otherwise the parts shrink and break so as to be hardly recognizable. When the dried plants are sent they should be protected from breakage in the mail by being inclosed between pieces of stiff pasteboard. Packages weighing less than four pounds can be sent by mail at the rate of one cent per ounce. Write the name of the sender on the outside. In the letter accompanying the specimens state where collected, the date, and any other particulars of the plant, whether reputed poisonous, pestiferous, medicinal, or useful.

Aepartment of Agriculture,

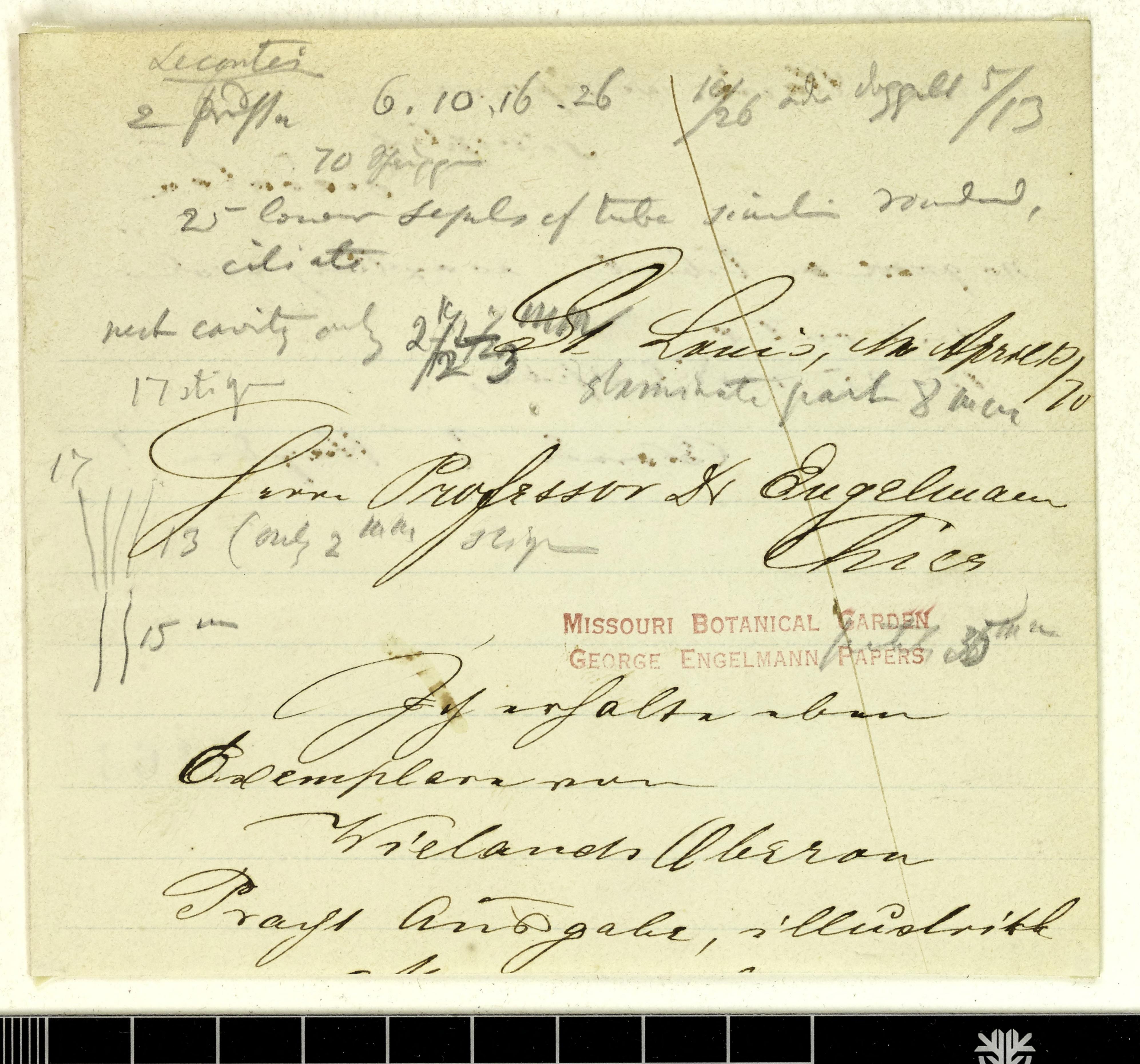
DIVISION OF BOTANY,

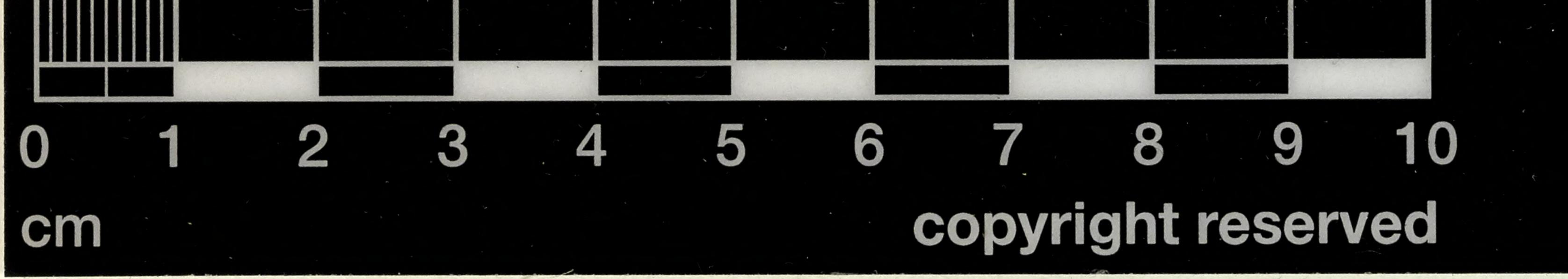
Ollan Gar I sentyme a few days age a Small frankap of plant for examination and Jogot to enclose the Stamps for their seture. Enclosed plean find what amount I expect will be sufficient. I find also that I had wulvoked 2 or 3 species of Euphorbias which I will send in another Buckage to money. Duck Fores CEVHCE ENCELMANN PAPERS

MISSOURI BOTANICAL copyright reserved GARDEN Mamillania vivripara-si'neplex Inedalea no grove on tubersly so ax llary wool. 3-7 rate 15-25 radiel spile, Bland ! Hagden? 1163



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MISSOURI BOTANICAL GARDEN Mamillovine autarothetee 1164 of. Ehroby Linnae 19.p. 353







20° Chy 1880 Man-Many Deserto" mag be a very sprinces for of M. vivipara. 3-4 faches Ligh 2-2/2 mi s'amle (Cayest form) glæcover-grun tuberoles 1/2 inch long oval deeply growed in 13/21 order, the 8 × 13 & for mod conspirity.

Spring very numerory shought, and law costy gry, tip of lagur one Inhun extension 25-30, 5-8 like long, enjour our longer the lower oney inlavior 4 shorter 4-7 by æbove these ab 1 6 ad tivel, itemedite property of the property of th 1165 MISSOURI

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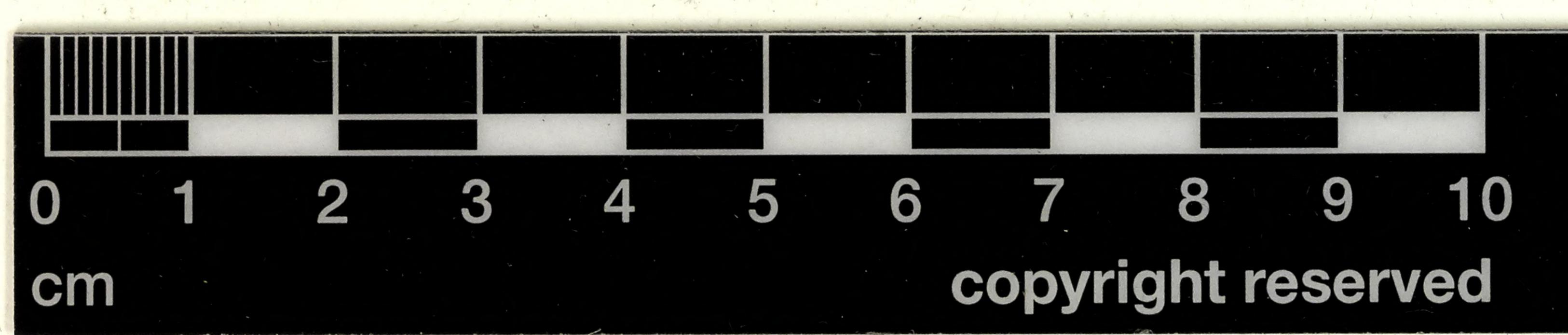
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Si. Louis Oct. 21/19 Dr. TEv. Cuqueunen. Dear In du accordance with your order I have received from Mr. Maus guns, the Luce of Om Hamand & Try ty Dove. lars, for sent of Park am property from Febry 1. 99 Wang. 12/99, and) strut york, here write heis check for that amanie Imely young 6. Chilenaun MISSOURI BOTANICAL GARDEN CEDRGE ENGELMANN PAPERS

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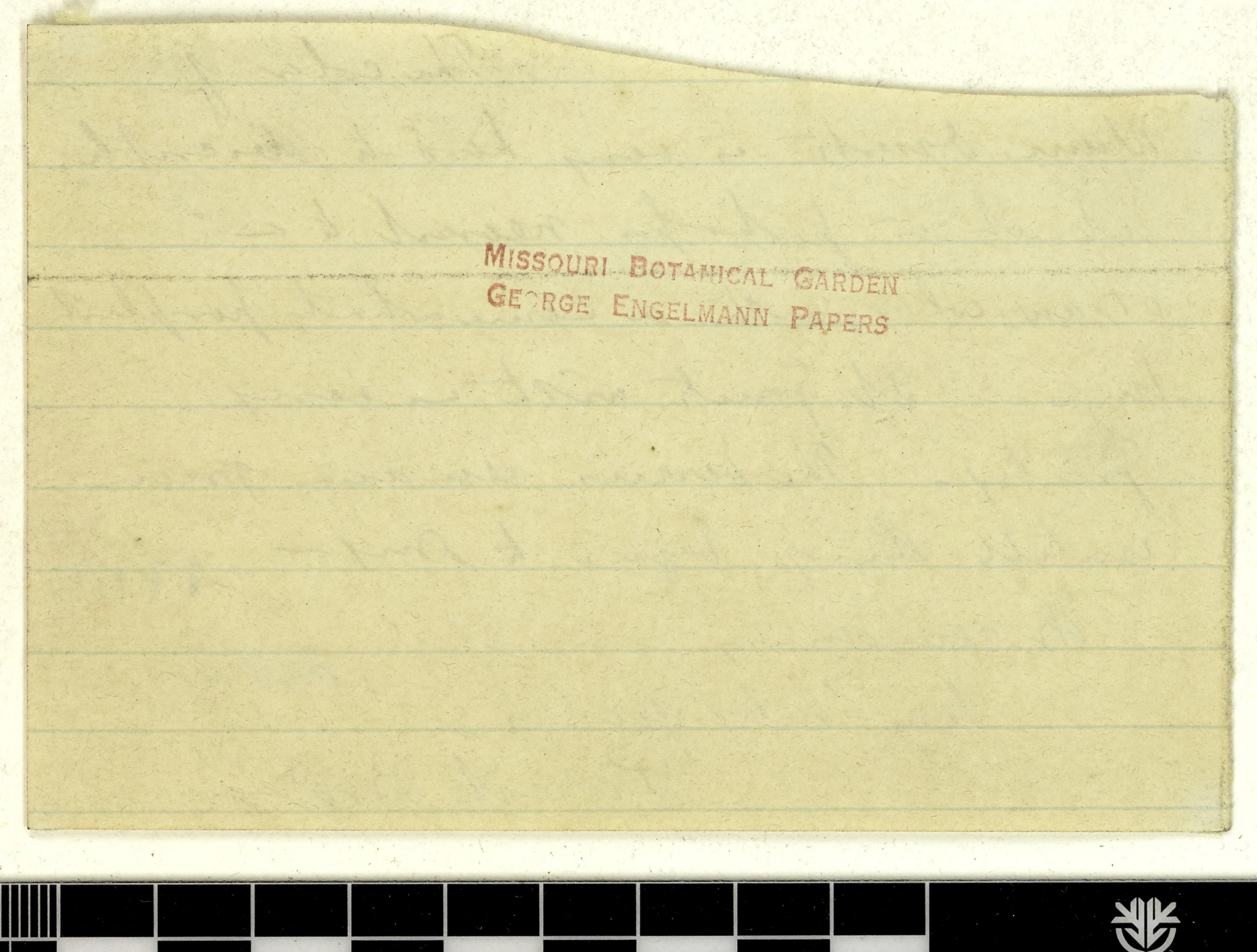
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The color of Mann, dereste is very hord to deresible, but it is putofor neveral to a straw-color, with a semewhat perplish tuge- 21 fruit withen very Jouly- The bernis remain green mutett they byn t Amy 1166 The remain, Out 1881 Teny truly yours Family Brown





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Mamillania i armye which iter set, the desert from Ware pah [] fan Odernard'no County, Calif. Vane B. Harish Alobore, skyllly depressed 1/2 inch Lim 20 opiner all more, spreading, many a very short (zel. long) centret one much 120 Maxillani Globosa simplex, tutorercules orations brevibus; anolis inferioribus, vetustion bus (demun?) Angushi oblonges, souleis pertination modémbles 20-25 skendriks 3-5 brevitsmies den nulles aredes superioribs, recentionibs orbitalis villosis aculeis sadiatiles 20-25. Imperorioles conerco-longimber, apice fuscation; contentales sat 5 sabradien, sapende log in by paddles expensions sopenhiber. 1167 Barra omta vryd', seminiber luter. Juscis scorbiculation. Margi Att Certiforni deset J. Boanth plant, 2 by 2/2 av 2/2 by 3 inches " in N'ameter" globular or oval MISSOURI

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MISSOURI BOTANICAL GARDEN SEE ENGELMANN. PAPERS Meage come over this monning and de us. dans well myself but have two rights each children. David and Henry are both Orche. Louis truly Mus Chas Branch MISSOURI

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man Mani Seserti Sept 20-25 - abt 5 govs, narrolf lævreslet avistate margin, frankrikte Potely able 20 i 1 now numbly lawsolate frankrate of base bystran colars tung to purplish of tip. sligen 5-6 spreadig. A. I int log, som width

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